

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000549

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21F 1/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6210529 B1 (TAISTO HUHTELIN), 3 April 2001 (03.04.2001), claim 1, abstract --	1-10
A	US 6267845 B1 (JOUKO HAUTALA ET AL), 31 July 2001 (31.07.2001), claims 1,2, abstract --	1-10
A	WO 02086233 A1 (METSO PAPER, INC.), 31 October 2002 (31.10.2002), claims 1,2, abstract -----	1-10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 December 2004

Date of mailing of the international search report

23 -12- 2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

27/11/2004

International application No.

PCT/FI 2004/000549

US	6210529	B1	03/04/2001	AT	259907	T	15/03/2004
				AU	4620099	A	30/12/1999
				CA	2334706	A	16/12/1999
				DE	19926111	A,C	16/12/1999
				DE	69914919	D	00/00/0000
				EP	1102888	A,B	30/05/2001
				SE	1102888	T3	
				FI	103677	B	00/00/0000
				FI	981328	D	00/00/0000
				JP	2002517636	T	18/06/2002
				WO	9964669	A	16/12/1999
<hr/>							
US	6267845	B1	31/07/2001	AT	272741	T	15/08/2004
				AU	4619999	A	30/12/1999
				BR	9911529	A	20/03/2001
				CA	2334657	A	16/12/1999
				CN	1126839	B	05/11/2003
				CN	1305549	T	25/07/2001
				DE	29909960	U	09/09/1999
				DE	69919175	D	00/00/0000
				EP	1102887	A,B	30/05/2001
				SE	1102887	T3	
				FI	103676	B	00/00/0000
				FI	981327	D	00/00/0000
				JP	3490973	B	26/01/2004
				JP	2002517635	T	18/06/2002
				WO	9964668	A	16/12/1999
<hr/>							
WO	02086233	A1	31/10/2002	EP	1399621	A	24/03/2004
				FI	111391	B	00/00/0000
				FI	20010830	A	24/10/2002
				US	20040144513	A	29/07/2004